

Shin Chen

1633

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/276,868

DATE: 09/13/1999  
TIME: 12:19:08

INPUT SET: S33294.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4 (i) APPLICANT: Simons, Michael  
5 Gao, Youhe  
6 (ii) TITLE OF INVENTION: Method for PR-39 peptide regulated  
7 stimulation of angiogenesis  
8 (iii) NUMBER OF SEQUENCES: 14  
9 (iv) CORRESPONDENCE ADDRESS:  
10 (A) ADDRESSEE: David Prashker, Esq.  
11 (B) STREET: P.O. Box 5387  
12 (C) CITY: Magnolia  
13 (D) STATE: Massachusetts  
14 (E) COUNTRY: USA  
15 (F) ZIP: 01930  
16 (v) COMPUTER READABLE FORM:  
17 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
18 (B) COMPUTER: IBM PS/1  
19 (C) OPERATING SYSTEM: MS DOS  
20 (D) SOFTWARE: WordPerfect version 5.1  
21 (vi) CURRENT APPLICATION DATA:  
22 (A) APPLICATION NUMBER: 09/276,868  
23 (B) FILING DATE: March 26, 1999  
24 (C) CLASSIFICATION: Unknown  
25 (viii) ATTORNEY/AGENT INFORMATION:  
26 (A) NAME: David Prashker, Esq.  
27 (B) REGISTRATION NUMBER: 29,693  
28 (C) REFERENCE/DOCKET NUMBER: BIS-043  
29 (ix) TELECOMMUNICATION INFORMATION:  
30 (A) TELEPHONE: (978) 525-3794  
31 (2) INFORMATION FOR SEQ ID NO:1:  
32 (i) SEQUENCE CHARACTERISTICS:  
33 (A) LENGTH: 39 amino acids  
34 (B) TYPE: amino acid  
35 (C) STRANDEDNESS: single  
36 (D) TOPOLOGY: linear  
37 (ii) MOLECULE TYPE: peptide  
38 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
39  
40 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro  
41 1 5 10 15  
42 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro  
43 20 25 30  
44 Arg Phe Pro Pro Arg Phe Pro  
45 35  
46

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47 (2) INFORMATION FOR SEQ ID NO:2:  
48 (i) SEQUENCE CHARACTERISTICS:  
49 (A) LENGTH: 39 amino acids  
50 (B) TYPE: amino acid  
51 (C) STRANDEDNESS: single  
52 (D) TOPOLOGY: linear  
53 (ii) MOLECULE TYPE: peptide  
54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
55  
56 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro  
57 1 5 10 15  
58 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro  
59 20 25 30  
60 Arg Phe Pro Pro Arg Phe Pro  
61 35  
62  
63 (2) INFORMATION FOR SEQ ID NO:3:  
64 (i) SEQUENCE CHARACTERISTICS:  
65 (A) LENGTH: 15 amino acids  
66 (B) TYPE: amino acid  
67 (C) STRANDEDNESS: single  
68 (D) TOPOLOGY: linear  
69 (ii) MOLECULE TYPE: peptide  
70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
71  
72 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro  
73 1 5 10 15  
74  
75 (2) INFORMATION FOR SEQ ID NO:4:  
76 (i) SEQUENCE CHARACTERISTICS:  
77 (A) LENGTH: 11 amino acids  
78 (B) TYPE: amino acid  
79 (C) STRANDEDNESS: single  
80 (D) TOPOLOGY: linear  
81 (ii) MOLECULE TYPE: peptide  
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
83  
84 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg  
85 1 5 10  
86  
87 (2) INFORMATION FOR SEQ ID NO:5:  
88 (i) SEQUENCE CHARACTERISTICS:  
89 (A) LENGTH: 8 amino acids  
90 (B) TYPE: amino acid  
91 (C) STRANDEDNESS: single  
92 (D) TOPOLOGY: linear  
93 (ii) MOLECULE TYPE: peptide  
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
95  
96 Arg Arg Arg Pro Arg Pro Pro Tyr  
97 1 5  
98  
99 (2) INFORMATION FOR SEQ ID NO:6:

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100      (i) SEQUENCE CHARACTERISTICS:
101          (A) LENGTH: 39 amino acids
102          (B) TYPE: amino acid
103          (C) STRANDEDNESS: single
104          (D) TOPOLOGY: linear
105      (ii) MOLECULE TYPE: peptide
106      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
107
108      Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
109      1          5          10          15
110      Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
111          20          25          30
112      Arg Phe Pro Pro Arg Phe Pro
113          35
114
115      (2) INFORMATION FOR SEQ ID NO:7:
116          (i) SEQUENCE CHARACTERISTICS:
117              (A) LENGTH: 11 amino acids
118              (B) TYPE: amino acid
119              (C) STRANDEDNESS: single
120              (D) TOPOLOGY: linear
121          (ii) MOLECULE TYPE: peptide
122          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
123
124      Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
125      1          5          10
126
127      (2) INFORMATION FOR SEQ ID NO:8:
128          (i) SEQUENCE CHARACTERISTICS:
129              (A) LENGTH: 255 amino acids
130              (B) TYPE: amino acid
131              (C) STRANDEDNESS: single
132              (D) TOPOLOGY: linear
133          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
134
135      Met Ser Ser Ile Gly Thr Gly Tyr Asp Leu Ser Ala Ser Thr Phe Ser
136      1          5          10          15
137      Pro Asp Gly Arg Val Phe Gln Val Glu Tyr Ala Met Lys Ala Val Glu
138          20          25          30
139      Asn Ser Ser Thr Ala Ile Gly Ile Arg Cys Lys Asp Gly Val Val Phe
140          35          40          45
141      Gly Val Glu Lys Leu Val Leu Ser Lys Leu Tyr Glu Glu Gly Ser Asn
142          50          55          60
143      Lys Arg Leu Phe Asn Val Asp Arg His Val Gly Met Ala Val Ala Gly
144          65          70          75          80
145      Leu Leu Ala Asp Ala Arg Ser Leu Ala Asp Ile Ala Arg Glu Glu Ala
146          85          90          95
147      Ser Asn Phe Arg Ser Asn Phe Gly Tyr Asn Ile Pro Leu Lys His Leu
148          100          105          110
149      Ala Asp Arg Val Ala Met Tyr Val His Ala Tyr Thr Leu Tyr Ser Ala
150          115          120          125
151      Val Arg Pro Phe Gly Cys Ser Phe Met Leu Gly Ser Tyr Ser Ala Asn
152          130          135          140

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153 Asp Gly Ala Gln Leu Tyr Met Ile Asp Met Ser Gly Val Ser Tyr Gly
154 145 150 155 160
155 Tyr Trp Gly Cys Ala Ile Gly Lys Ala Arg Gln Ala Ala Lys Thr Glu
156 165 170 175
157 Ile Glu Lys Leu Gln Met Lys Glu Met Thr Cys Arg Asp Val Val Lys
158 180 185 190
159 Glu Val Ala Lys Ile Ile Tyr Ile Val His Asp Glu Val Lys Asp Lys
160 195 200 205
161 Ala Phe Glu Leu Glu Leu Ser Trp Val Gly Glu Leu Thr Lys Gly Arg
162 210 215 220
163 His Glu Ile Val Pro Lys Asp Ile Arg Glu Glu Ala Glu Lys Tyr Ala
164 225 230 235 240
165 Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
166 245 250 255
167

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168 (2) INFORMATION FOR SEQ ID NO:9:

169 (i) SEQUENCE CHARACTERISTICS:

170 (A) LENGTH: 4 amino acids

171 (B) TYPE: amino acid

172 (C) STRANDEDNESS: single

173 (D) TOPOLOGY: linear

174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

175  
176 Ala Glu Arg Asp  
177 1

178  
179 (2) INFORMATION FOR SEQ ID NO:10:

180 (i) SEQUENCE CHARACTERISTICS:

181 (A) LENGTH: 1 amino acid

182 (B) TYPE: amino acid

183 (C) STRANDEDNESS: single

184 (D) TOPOLOGY: linear

185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

186  
187 Ala  
188 1

189  
190 (2) INFORMATION FOR SEQ ID NO:11:

191 (i) SEQUENCE CHARACTERISTICS:

192 (A) LENGTH: 24 amino acids

193 (B) TYPE: amino acid

194 (C) STRANDEDNESS: single

195 (D) TOPOLOGY: linear

196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

197  
198 Lys Lys His Glu Glu Glu Glu Ala Lys Ala Glu Arg Glu Lys Lys Glu  
199 1 5 10 15

200 Lys Glu Gln Lys Glu Lys Asp Lys  
201 20

202  
203 (2) INFORMATION FOR SEQ ID NO:12:

204 (i) SEQUENCE CHARACTERISTICS:

205 (A) LENGTH: 16 amino acids

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206 (B) TYPE: amino acid  
207 (C) STRANDEDNESS: single  
208 (D) TOPOLOGY: linear  
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
210  
211 Glu Lys Glu Lys Glu Glu Asn Glu Lys Lys Lys Gln Lys Lys Ala Ser  
212 1 5 10 15  
213  
214 (2) INFORMATION FOR SEQ ID NO:13:  
215 (i) SEQUENCE CHARACTERISTICS:  
216 (A) LENGTH: 27 amino acids  
217 (B) TYPE: amino acid  
218 (C) STRANDEDNESS: single  
219 (D) TOPOLOGY: linear  
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
221  
222 Glu Glu Arg Pro Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu  
223 1 5 10 15  
224 Pro Ala Glu Lys Ala Asp Glu Pro Met Glu His  
225 20 25  
226  
227 (2) INFORMATION FOR SEQ ID NO:14:  
228 (i) SEQUENCE CHARACTERISTICS:  
229 (A) LENGTH: 16 amino acids  
230 (B) TYPE: amino acid  
231 (C) STRANDEDNESS: single  
232 (D) TOPOLOGY: linear  
233 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
234  
235 Ala Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met  
236 1 5 10 15  
237

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/276,868**

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Line	Error	Original Text
24	Wrong Classification	(C) CLASSIFICATION: Unknown